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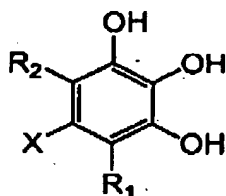
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WHAT IS CLAIMED IS:

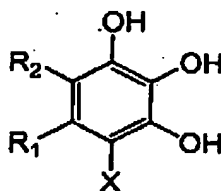
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1. A method of treating a mammal suffering from amyloidosis or a disease characterized by α -synuclein fibril formation, comprising administration to the mammal of a therapeutically effective amount of an isolated pure compound selected from the group consisting of the compounds of formula A, formula B, formula C, formula D, and

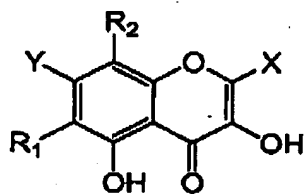
10 formula E:



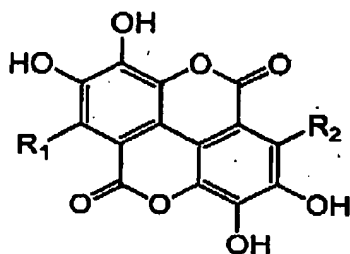
Formula A



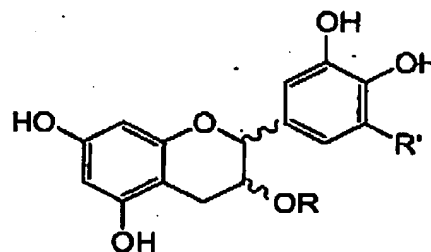
Formula B



Formula C



Formula D



Formula E

where:

- 15 R is selected from the group consisting of hydrogen, 2,3-dihydroxybenzoyl, 3,4-dihydroxybenzoyl, 2,3,4-trihydroxybenzoyl, and 3,4,5-trihydroxybenzoyl;
 R' is hydrogen or OH;
 R₁ and R₂ are independently selected from hydrogen and non-interfering substituents;

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X is selected from hydrogen and the group consisting of

- (a) hydroxy, amino, C₁₋₆ alkylamino, di(C₁₋₆ alkyl)amino, and cycloamino,
(b) C₁₋₂₂ alkyl, C₁₋₂₂ alkoxy, C₁₋₂₂ alkylthio, and C₁₋₂₂ alkylcarboxyl, each
optionally substituted with 1 to 5 moieties selected from the group consisting of
halogen, hydroxy, mercapto, amino, nitro, C₁₋₆ alkoxy, C₁₋₆ alkylthio, and C₁₋₆.
alkylcarboxyl,
(c) aromatic and heteroaromatic groups substituted with 2 or 3 adjacent hydroxy
groups, and optionally substituted with 1 to 5 non-interfering substituents,
(d) sugars, optionally substituted with one or more anionic groups selected from
sulfate, phosphate, phosphonate, carboxylate, and sulfonate groups,
(e) peptides and peptide derivatives, and
(f) -C(O)R₃ and -C(O)OR₃ (where R₃ is selected from the group consisting of (a)
through (e) above); and

15 Y is hydrogen, hydroxy, C₁₋₆ alkoxy, benzyloxy (where the phenyl group is optionally substituted with 1 to 3 substituents selected from halo and C₁₋₆ alkyl), or —OSO₂R₄ (where R₄ is C₁₋₆ alkyl or phenyl optionally substituted with 1 to 3 substituents selected from halo and C₁₋₆ alkyl);

and the group of compounds consisting of acacetin, actinorhodine, alizarin, alizarin blue,
alizerin orange, alizarinsulfonic acid, alkannin, anthragallol, anthralin,
20 anthrarobin, antharufin, apigenin, apigetrin, apiose, baicalein, baptigenin, 1,2,4-
benzenetriol, bostrycoidin, carbidopa, carminic acid, carubicin, cellobiose,
centaurein, chloranilic acid, chondrosine, chromotrope 2B, chromotropic acid,
chrysamminic acid, chrysarobin, chrysin, chrysophanic acid, cichoriin, citrazinic
acid, citromycetin, collinomycin, curvularin, cyanidin, cyanidin 3-glucoside,
25 cyanidin 3-rhamnoglucoside, cyanidin 3,5-diglucoside, cyanidin 3-sophoroside,
daphnetin, datiscetin, daunorubicin, delphinidin, deoxyepinephrine, diosmetin,
diosmin, dioxethedrine, dopa, dopamine, doxorubicin, droxidopa, echinochrome
A, embelin, emodin, ergoflavin, eriodictyol, esculetin, fenoldopam, fomecin A,
fomecin B, fraxetin, fraxin, fredericamycin A, fumigatin, fusarubin, fuscine, fustin,
30 galangin, gallein, gallocyanine, gardenin A, gardenin B, gardenin C, gardenin D,
gardenin E, genistein, gentisin, granaticin, guamecycline, hematein.

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- hydroxysophorobioside, hydroxysophoricoside, icariin, isoquercitrin, kaempferol, kermesic acid, laccaic acid A, laccaic acid B, laccaic acid C, laccaic acid D, leucocyanidin, luteolin, maclurin, menogaril, methylenedigallic acid, morin, oosporein, phenicin, phloroglucide, puberulic acid, puberulonic acid, purpurin, purpurogallin, quercetagenin, quercimritrin, quinalizarin, quinic acid, resistomycin, rhamnetin, rhein, rhodizonic acid, rhodomycin A, rhodomycin B, robinin, ruberythric acid, rufigallol, rutin, scutellarein, tannic acid, tetroquinone, tiron, troxerutin, and tunichrome B1, but excluding pyrogallol, and the pharmaceutically acceptable salts thereof.

2. The method of Claim 1 where the amyloidosis is selected from the group of diseases consisting of Alzheimer's disease, Down's syndrome, hereditary cerebral hemorrhage with amyloidosis of the Dutch type, the amyloidosis of chronic inflammation, the amyloidosis of malignancy and familial Mediterranean fever, the amyloidosis of multiple myeloma and B-cell dyscrasias, the amyloidosis of type II diabetes, the amyloidosis of the prion diseases, Creutzfeldt-Jakob disease, Gerstmann-Straussler syndrome, kuru, scrapie, the amyloidosis associated with long-term hemodialysis, the amyloidosis associated with carpal tunnel syndrome, senile cardiac amyloidosis, familial amyloidotic polyneuropathy, and the amyloidosis associated with endocrine tumors.
3. The method of Claim 2 where the amyloidosis is Alzheimer's disease.
4. The drug method of Claim 1 where the α -synuclein fibril formation is Lewy body disease or Parkinson's disease.
5. The method of Claim 1 where R_1 and R_2 are independently selected from the group consisting of hydrogen; C_{1-6} alkyl, C_{1-6} alkoxy, and C_{1-6} alkylthio (in each of which the alkyl group is optionally substituted with 1 to 5 halogen atoms); and halo.

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6. The method of Claim 1 where X is selected from hydrogen and the group consisting of
- (a) hydroxy, amino, C₁₋₆ alkylamino, di(C₁₋₆ alkyl)amino, and cycloamino,
 - (b) C₁₋₂₂ alkyl, C₁₋₂₂ alkoxy, C₁₋₂₂ alkylthio, and C₁₋₂₂ alkylcarboxyl, each optionally
 - 5 substituted with 1 to 5 moieties selected from the group consisting of halogen, hydroxy, mercapto, amino, nitro, C₁₋₆ alkoxy, C₁₋₆ alkylthio, and C₁₋₆ alkylcarboxyl,
 - (c) aromatic and heteroaromatic groups substituted with 2 or 3 adjacent hydroxy groups, and optionally substituted with 1 to 5 non-interfering substituents, and
 - (d) -C(O)R₃ and -C(O)OR₃ (where R₃ is selected from the group consisting of (a) through
 - 10 (c) above).
7. The method of Claim 1 where X is selected from hydrogen and the group consisting of hydroxy, amino, -C(O)R₃, and -C(O)OR₃ (where R₃ is selected from hydroxy, amino, C₁₋₆ alkyl optionally substituted with 1 to 5 halogen atoms, and aromatic
- 15 and heteroaromatic groups substituted with 2 or 3 adjacent hydroxy groups and optionally substituted with 1 to 5 non-interfering substituents selected from halogen atoms and C₁₋₆ alkyl and C₁₋₆ alkoxy, each optionally substituted with 1 to 5 halogen atoms.
8. The method of Claim 1 where Y is selected from the group consisting of
- 20 hydrogen, hydroxy, C₁₋₆ alkoxy, and benzyloxy (where the phenyl group is optionally substituted with 1 to 3 substituents selected from halo and C₁₋₆ alkyl and C₁₋₆ alkoxy, each optionally substituted with 1 to 5 halogen atoms).
9. The method of Claim 1 where the compound is a compound of formula A or
- 25 formula B, or a pharmaceutically acceptable salt thereof.
10. The method of Claim 9 where the compound is selected from the group consisting of dibromogallic acid, digallic acid, ethyl gallate, exifone, fisetin, gallacetophenone, gallamide, gallic acid, α-glucogallin, β-glucogallin, 5-hydroxydopamine, and propyl
- 30 gallate, and the pharmaceutically acceptable salts thereof.

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11. The method of Claim 1 where the compound is a compound of formula C or a pharmaceutically acceptable salt thereof.
12. The method of Claim 1 where the compound is a compound of formula D or a pharmaceutically acceptable salt thereof.
13. The method of Claim 12 where the compound is ellagic acid or a pharmaceutically acceptable salt thereof.
14. The method of Claim 1 where the compound is a compound of formula E or a pharmaceutically acceptable salt thereof.
15. The method of Claim 14 where the compound is selected from the group consisting of catechin, epicatechin, gallic acid, epigallocatechin, and their gallate esters, and the pharmaceutically acceptable salts thereof.
16. The method of Claim 1 where the active ingredient is selected from group of compounds consisting of acacetin, actinorhodine, alizarin, alizarin blue, alizarin orange, alizarinsulfonic acid, alkannin, anthragallol, anthralin, anthrarobin, anthrurufin, apigenin, apigetrin, apiose, baicalein, baptigenin, 1,2,4-benzenetriol, bostrycoidin, carbidopa, carminic acid, carubicin, cellobiose, centaurein, chloranilic acid, chondrosine, chromotrope 2B, chromotropic acid, chrysaminic acid, chrysarobin, chrysin, chrysophanic acid, cichoriin, citrazinic acid, citromycetin, collinomycin, curvularin, cyanidin, cyanidin 3-glucoside, cyanidin 3-rhamnoglucoside, cyanidin 3,5-diglucoside, cyanidin 3-sophoroside, daphnetin, datiscetin, daunorubicin, delphinidin, deoxyepinephrine, diosmetin, diosmin, dioxethedrine, dopa, dopamine, doxorubicin, droxidopa, echinochrome A, embelin, emodin, ergoflavin, eriodictyol, esculetin, fenoldopam, fomecin A, fomecin B, fraxetin, fraxin, fredericamycin A, fumigatin, fusarubin, fuscine, fustin, galangin, gallein, gallocyanine, gardenin A, gardenin B, gardenin C, gardenin D, gardenin E, genistein, gentisin, granaticin, guamecycline, hematein, hydroxysophorobioside, hydroxysophoric acid, icariin, isoquercitrin,

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kaempferol, kermesic acid, laccaic acid A, laccaic acid B, laccaic acid C, laccaic acid D, leucocyanidin, luteolin, maclurin, menogaril, methylenedigallic acid, morin, oosporein, phenicin, phloroglucide, puberulic acid, puberulonic acid, purpurin, purpurogallin, pyrocatechol, quercetagenin, quercimritrin, quinalizarin, quinic acid, resistomycin, rhamnetin, rhein, rhodizonic acid, rhodomycin A, rhodomycin B, robinin, ruberythric acid, rufigallol, rutin, scutellarein, tannic acid, tetroquinone, tiron, troxerutin, and tunichrome B1, and the pharmaceutically acceptable salts thereof.

17. The method of Claim 1 where the compound is selected from 1,2,4-benzenetriol, ellagic acid, ethyl gallate, exifone, gallamide, gallic acid, 5-hydroxydopamine, myricetin, phloroglucide, propyl gallate, quercetin, quinic acid, and tannic acid, and the pharmaceutically acceptable salts thereof.

18. The method of Claim 17 where the compound is selected from the group consisting of myricetin and quercetin, and the pharmaceutically acceptable salts thereof.

19. Pharmaceutical composition adapted for treating a mammal suffering from amyloidosis or a disease characterized by α -synuclein fibril formation, comprising a therapeutically effective amount of an isolated pure compound selected from the group consisting of the compounds of formula A, formula B, formula C, formula D, and formula E: